EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	519538	phenyl	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/01 08:56
L2	2354	hexenoic	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/01 08:56
L3	39	L2 near5 L1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/01 09:56
L4	176	(562/491).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/01 09:02
L5	241	(562/495).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/01 09:02
L6	590	(514/559).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/01 09:03
L7	1354	(514/562).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/01 09:03
L8	571	(514/564).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/01 09:03
L9	1066	(514/570).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/01 09:03
L10	319	(514/571).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/01 09:03
L11	3931	l4 or l5 or l6 or l7 or l8 or l9 or l10	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/01 09:04

EAST Search History

L12	1	l3 and l11	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/01 09:04
L13	150554	cyclohexyl	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/01 09:56
L14	16	l3 and l13	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/01 09:56
L15	11	("4513005").URPN.	USPAT	OR	ON	2006/12/01 09:56

	ENTRY	SESSION
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.25

```
=> e 6-phenyl-2-hexynoic acid/cn
E1            1      6-PHENYL-2-HEXYN-1-OL/CN
E2            1      6-PHENYL-2-HEXYNE/CN
E3            1 --> 6-PHENYL-2-HEXYNOIC ACID/CN
E4            1      6-PHENYL-2-HYDROXY-N-(2-(3-METHOXY-4-((2-PROPYNYL)OXY)PHENYL
                     )ETHYL)HEXANAMIDE/CN
E5            1      6-PHENYL-2-INDOLINONE/CN
E6            1      6-PHENYL-2-MERCAPTOTHIAZOLO(4,5-B)PYRIDINE/CN
E7            1      6-PHENYL-2-METHYL-5,6-DIHYDROOXAZINE/CN
E8            1      6-PHENYL-2-METHYLTHIO-THIAZOLO(4,5-B)PYRIDINE/CN
E9            1      6-PHENYL-2-NAPHTHOL/CN
E10           1      6-PHENYL-2-OCTANONE/CN
E11           1      6-PHENYL-2-OXINDOLE/CN
E12           1      6-PHENYL-2-PHENYLAMINO-4H-THIENO(3,2-D)(1,3)OXAZIN-4-ONE/CN

=> e3
L16           1 "6-PHENYL-2-HEXYNOIC ACID"/CN

=> d l16

L16  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   235087-20-4  REGISTRY
ED   Entered STN:  26 Aug 1999
CN   2-Hexynoic acid, 6-phenyl- (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   6-Phenyl-2-hexynoic acid
MF   C12 H12 O2
SR   CA
LC   STN Files:   CA, CAPLUS, CASREACT
```

$HO_2C-C\equiv C-(CH_2)_3-Ph$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	17.58	253.67

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CA SUBSCRIBER PRICE	0.00	-2.25

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=> l16
L17 2 L16

=> d l17 1-2 ti fib abs
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The following are valid formats:

ABS --------- GI and AB
ALL --------- BIB, AB, IND, RE
APPS -------- AI, PRAI
BIB --------- AN, plus Bibliographic Data and PI table (default)
CAN --------- List of CA abstract numbers without answer numbers
CBIB -------- AN, plus Compressed Bibliographic Data
CLASS ------- IPC, NCL, ECLA, FTERM
DALL -------- ALL, delimited (end of each field identified)
DMAX -------- MAX, delimited for post-processing
FAM --------- AN, PI and PRAI in table, plus Patent Family data
FBIB -------- AN, BIB, plus Patent FAM
IND --------- Indexing data
IPC --------- International Patent Classifications
MAX --------- ALL, plus Patent FAM, RE
PATS -------- PI, SO

```
SAM --------- CC, SX, TI, ST, IT
SCAN -------- CC, SX, TI, ST, IT (random display, no answer numbers;
              SCAN must be entered on the same line as the DISPLAY,
              e.g., D SCAN or DISPLAY SCAN)
STD --------- BIB, CLASS

IABS -------- ABS, indented with text labels
IALL -------- ALL, indented with text labels
IBIB -------- BIB, indented with text labels
IMAX -------- MAX, indented with text labels
ISTD -------- STD, indented with text labels

OBIB -------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

HIT --------- Fields containing hit terms
HITIND ------ IC, ICA, ICI, NCL, CC and index field (ST and IT)
              containing hit terms
HITRN ------- HIT RN and its text modification
HITSTR ------ HIT RN, its text modification, its CA index name, and
              its structure diagram
HITSEQ ------ HIT RN, its text modification, its CA index name, its
              structure diagram, plus NTE and SEQ fields
FHITSTR ----- First HIT RN, its text modification, its CA index name, and
              its structure diagram
FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
              structure diagram, plus NTE and SEQ fields
KWIC -------- Hit term plus 20 words on either side
OCC --------- Number of occurrence of hit term and field in which it occurs

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to view a specified Accession Number.
ENTER DISPLAY FORMAT (BIB):end

=> d l17 1-2 ti fbib abs

L17  ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   Decarboxylative elimination of enol triflates as a general synthesis of
     acetylenes
AN   2004:380047  CAPLUS
DN   141:140115
TI   Decarboxylative elimination of enol triflates as a general synthesis of
     acetylenes
AU   Fleming, Ian; Ramarao, Chandrashekar
CS   Department of Chemistry, Cambridge, CB2 1EW, UK
SO   Organic & Biomolecular Chemistry (2004), 2(10), 1504-1510
     CODEN: OBCRAK; ISSN: 1477-0520
PB   Royal Society of Chemistry
DT   Journal
LA   English
OS   CASREACT 141:140115
GI
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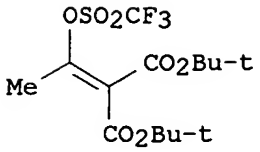
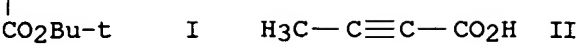


I



II

AB The enol trifluoromethanesulfonates of tert-Bu β-keto diesters and β-keto esters can be hydrolyzed to the corresponding carboxylic acids by dissoln. in trifluoroacetic acid. The dicarboxylic acids undergo mild decarboxylative elimination to give acetylenic acids in aqueous sodium bicarbonate solution at room temperature Similarly, monocarboxylic acids give terminal and mid-chain acetylenes by refluxing in acetone with potassium carbonate. One of the substituents on the acetylenes can be Me, primary alkyl, secondary alkyl or ethynyl, and the other can be a carboxylic acid, hydrogen or primary alkyl, but the enol trifluoromethanesulfonates could not be prepared when one of the substituents was tert-Bu, nor when both substituents on the precursor to the acetylene were secondary alkyl. For example, reaction of trifluoromethanesulfonic acid anhydride with (acetyl)propanedioic acid bis(1,1-dimethylethyl) ester gave a desired enol triflate, [1-[[(trifluoromethyl)sulfonyl]oxy]ethylidene]propanedioic acid bis(1,1-dimethylethyl) ester (I). Saponification of I gave the diacid, [1-[[(trifluoromethyl)sulfonyl]oxy]ethylidene]propanedioic acid. Decarboxylation of the acid gave 2-butynoic acid (II).

RE.CNT 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN

TI Decarboxylative elimination of enol triflates as a general synthesis of acetylenes

AN 1999:351377 CAPLUS

DN 131:144304

TI Decarboxylative elimination of enol triflates as a general synthesis of acetylenes

AU Fleming, Ian; Ramarao, Chandrashekar

CS Department of Chemistry, Cambridge, CB2 1EW, UK

SO Chemical Communications (Cambridge) (1999), (12), 1113-1114
CODEN: CHCOFS; ISSN: 1359-7345

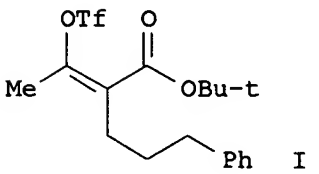
PB Royal Society of Chemistry

DT Journal

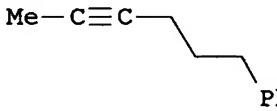
LA English

OS CASREACT 131:144304

GI



I



II

AB Decarboxylative elimination of a range of enol triflates, e.g. I, of β-keto esters gives acetylenes, e.g. II.

RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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=> logoff hold
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
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FULL ESTIMATED COST                                       15.60     269.27

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
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FULL ESTIMATED COST                                       15.60     269.27

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
                                                          ENTRY    SESSION
CA SUBSCRIBER PRICE                                       -1.50      -3.75

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COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
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FULL ESTIMATED COST                                       15.60     269.27

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
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DICTIONARY FILE UPDATES:  29 NOV 2006  HIGHEST RN 914337-13-6

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```
=> e 7-phenyl-2-heptynoic acid/cn
E1            1     7-PHENYL-2-ANILINO-1-PHENYL-1,8-NAPHTHYRIDIN-4(1H)-ONE/CN
E2            1     7-PHENYL-2-HEPTANONE/CN
E3            0 --> 7-PHENYL-2-HEPTYNOIC ACID/CN
E4            1     7-PHENYL-2-NAPHTHALENOL/CN
E5            1     7-PHENYL-2-NAPHTHOL/CN
E6            1     7-PHENYL-2-OCTANONE/CN
E7            1     7-PHENYL-2-OXA-7-AZABICYCLO(3.2.0)HEPTAN-6-ONE/CN
E8            1     7-PHENYL-2-OXEPANONE/CN
E9            1     7-PHENYL-3,4-DIHYDRO-1(2H)-NAPHTHALENONE/CN
E10           1     7-PHENYL-3,6-DIOXAHEPTYL P-TOLUENESULFONATE/CN
E11           1     7-PHENYL-3,6-DIOXAHEPTYL TOSYLATE/CN
E12           1     7-PHENYL-3-(2-(4-PYRIDYL)-1,3-THIAZOL-4-YL)-1,2,3,4-TETRAHYD
                    ROQUINAZOLIN-2-ONE/CN

=> e 6-phenylhexenoic acid/cn
E1            1     6-PHENYLHEXANOYLHYDROXAMIC ACID/CN
E2            1     6-PHENYLHEXENE/CN
E3            0 --> 6-PHENYLHEXENOIC ACID/CN
E4            1     6-PHENYLHEXYL 4-HYDROXYBENZOATE/CN
E5            1     6-PHENYLHEXYL ACETATE/CN
E6            1     6-PHENYLHEXYL ACRYLATE-METHYL METHACRYLATE-POLYETHYLENE GLYC
                    OL METHYL ETHER ACRYLATE GRAFT COPOLYMER/CN
E7            1     6-PHENYLHEXYL BROMIDE/CN
E8            1     6-PHENYLHEXYL IODIDE/CN
E9            1     6-PHENYLHEXYL ISOTHIOCYANATE/CN
E10           1     6-PHENYLHEXYL MESYLATE/CN
E11           1     6-PHENYLHEXYLAMINE/CN
E12           1     6-PHENYLHEXYLMAGNESIUM BROMIDE/CN

=> e 6-phenyl-2-hexenoic acid/cn
E1            1     6-PHENYL-2-HEXEN-5-YNE/CN
E2            1     6-PHENYL-2-HEXENE/CN
E3            0 --> 6-PHENYL-2-HEXENOIC ACID/CN
E4            1     6-PHENYL-2-HEXYN-1-OL/CN
E5            1     6-PHENYL-2-HEXYNE/CN
E6            1     6-PHENYL-2-HEXYNOIC ACID/CN
E7            1     6-PHENYL-2-HYDROXY-N-(2-(3-METHOXY-4-((2-PROPYNYL)OXY)PHENYL
                    )ETHYL)HEXANAMIDE/CN
E8            1     6-PHENYL-2-INDOLINONE/CN
E9            1     6-PHENYL-2-MERCAPTOTHIAZOLO(4,5-B)PYRIDINE/CN
E10           1     6-PHENYL-2-METHYL-5,6-DIHYDROOXAZINE/CN
E11           1     6-PHENYL-2-METHYLTHIO-THIAZOLO(4,5-B)PYRIDINE/CN
E12           1     6-PHENYL-2-NAPHTHOL/CN

=> e6
L18           1 "6-PHENYL-2-HEXYNOIC ACID"/CN

=> e 6-phenoxy-2-hexenoic acid/cn
E1            1     6-PHENOXY-2-((4-PHENOXYPHENYL)AMINO)-4H-THIENO(2,3-D)(1,3)OX
                    AZIN-4-ONE/CN
E2            1     6-PHENOXY-2-BENZOFURANCARBOXYLIC ACID/CN
E3            0 --> 6-PHENOXY-2-HEXENOIC ACID/CN
E4            1     6-PHENOXY-2-HYDROXYHEXANOIC ACID/CN
E5            1     6-PHENOXY-2-OXOHEXANOIC ACID/CN
E6            1     6-PHENOXY-2-PYRIDINECARBOTHIOAMIDE/CN
E7            1     6-PHENOXY-2-PYRIDINECARBOXALDEHYDE/CN
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E8              1      6-PHENOXY-2-PYRIDINECARBOXYLIC ACID/CN
E9              1      6-PHENOXY-2-PYRIDINEMETHANETHIOL/CN
E10             1      6-PHENOXY-2-PYRIDINEMETHANOL/CN
E11             1      6-PHENOXY-3-PYRIDINAMINE/CN
E12             1      6-PHENOXY-3-PYRIDINAMINE HYDROCHLORIDE/CN

=> d cost
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CONNECT CHARGES                                         4.18      50.01
NETWORK CHARGES                                         0.66       7.74
SEARCH CHARGES                                          4.76     199.82
DISPLAY CHARGES                                         0.00      21.30
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FULL ESTIMATED COST                                     9.60     278.87

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CA SUBSCRIBER PRICE                                     0.00      -3.75

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                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     9.60     278.87

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CA SUBSCRIBER PRICE                                     0.00      -3.75

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FULL ESTIMATED COST                                     9.60     278.87

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -3.75

=> logoff hold
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     9.60     278.87
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-3.75

SESSION WILL BE HELD FOR 120 MINUTES
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